	Application No.	Applicant(s)
Notice of Allowability	10/712,348	KATSUOKA ET AL.
	Examiner	Art Unit
	Laura Edwards	1734
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to and MPEP 1308.	plication. If not included n will be mailed in due course. THIS
2. The allowed claim(s) is/are 7, 9, 10, 18, and 33 renumbere	d as claims 1-5 respectively.	
 3. Acknowledgment is made of a claim for foreign priority unappriority and a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents 	been received. been received in Application No	
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" on noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAMINER	R'S AMENDMENT or NOTICE OF
<u> </u>		alon lo donoion.
 CORRECTED DRAWINGS (as "replacement sheets") mus including changes required by the Notice of Draftspers 		-048) attached
1) hereto or 2) to Paper No./Mail Date	- · · · · · · · · · · · · · · · · · · ·	-940) attached
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the 0	
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the		
 DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT I 		
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Attachment(s)	C Notice of lefe and I	2-tont Application (DTO 452)
 Notice of References Cited (PTO-892) D Notice of Draftperson's Patent Drawing Review (PTO-948) 	interview Summary	Patent Application (PTO-152)
	Paper No./Mail Da	te <u></u> .
 Information Disclosure Statements (PTO-1449 or PTO/SB/0/ Paper No./Mail Date 120105 	8), 7. Examiner's Amendi	ment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. X Examiner's Statement	ent of Reasons for Allowance
	9. ☑ Other <u>See Continua</u>	ation Sheet.
		71_
		LAURA EDWARDS PRIMARY EXAMINER

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An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with W. Douglas Hahm on 12/06/05.

The application has been amended as follows:

In the claims:

In claim 33, line 13, "substrate fixing head" has been changed to --substrate holding head--.

The following is an examiner's statement of reasons for allowance:

Claim 33 would be allowable because there is no teaching or suggestion in the prior art a substrate processing apparatus comprising the combination of loading/unloading area for a cleaning area for cleaning the substrate; a plating area for plating the substrate; wherein the plating area is provided with a pretreatment unit for pretreating the substrate before plating by bringing a treatment liquid into contact with the substrate, said pretreatment unit, including; a processing tank for holding a plating solution, a lid member for closing an opening of the processing tank after the substrate held in a substrate holding head is moved to above the opening, and a treatment liquid spraying section mounted on the lid member for spraying a cleaning liquid onto the substrate to clean the substrate while the opening of the processing tank

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is closed with the lid member, said substrate holding head being provided with a tilting mechanism.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura Edwards whose telephone number is (571) 272-1227. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chris Fiorilla can be reached on (571) 272-1187. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

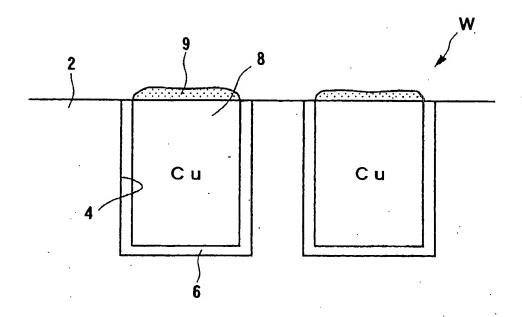
Laura Edwards
Primary Examiner
Art Unit 1734

Le December 6, 2005

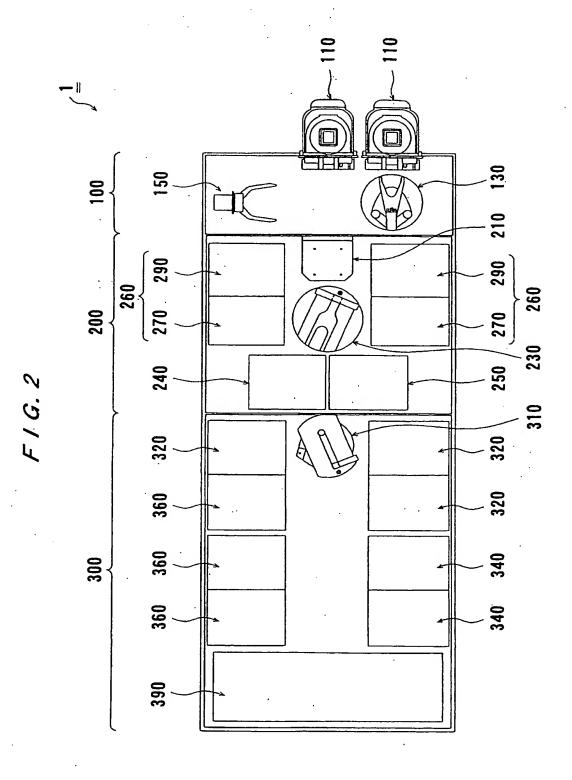
Continuation of Attachment(s) 9. Other: The replacement drawings dated as of 5/19/05.

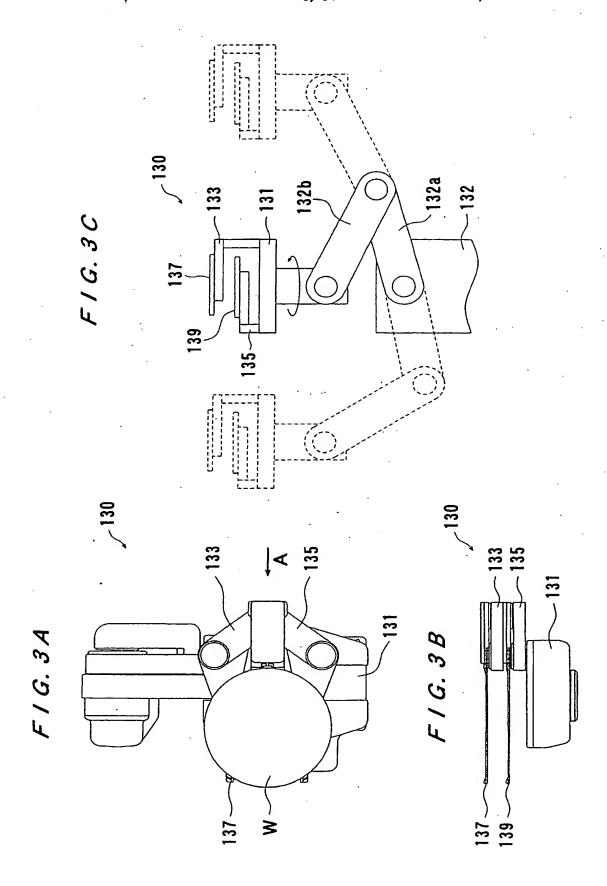


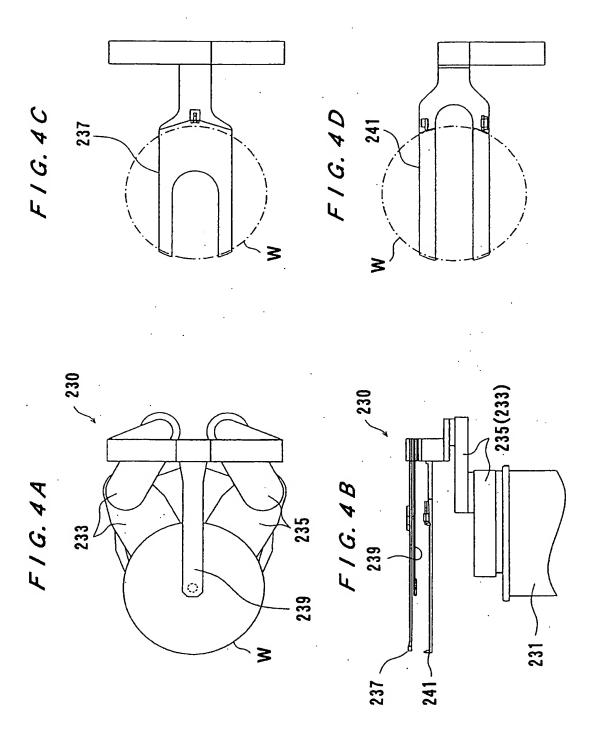
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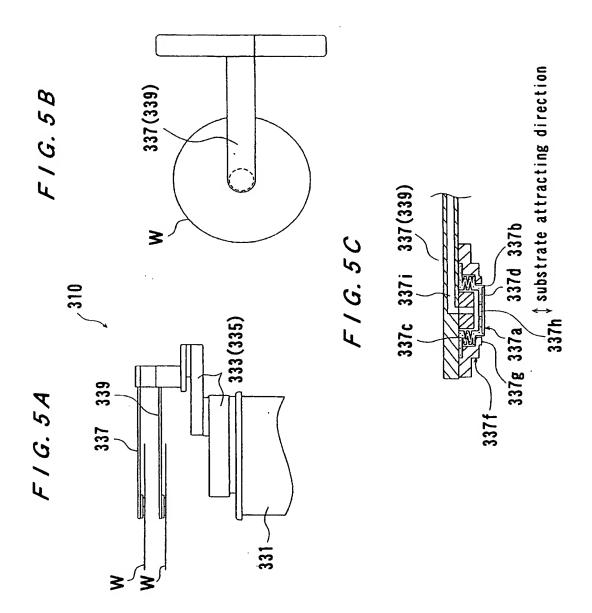


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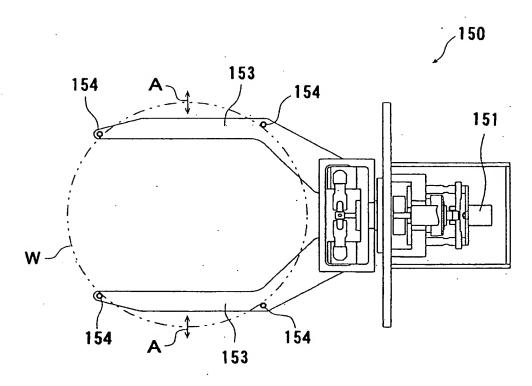


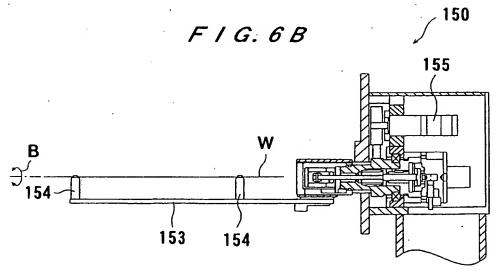


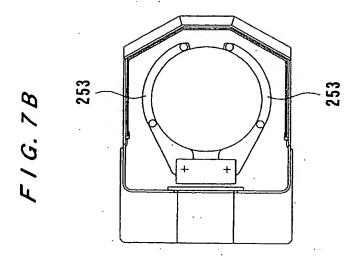


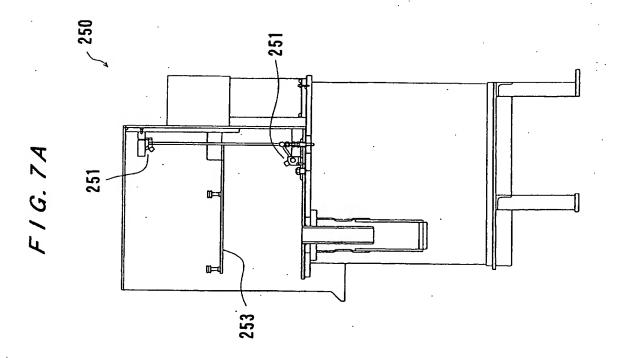


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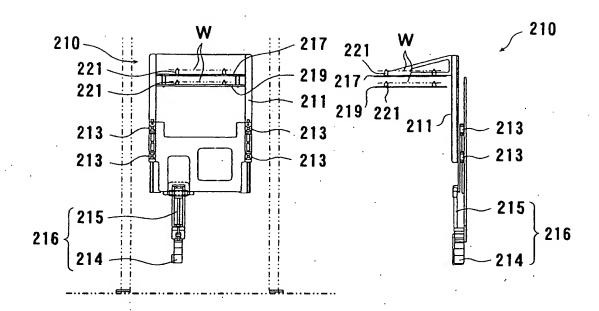




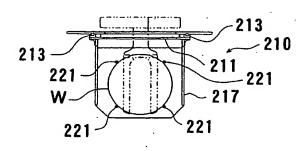


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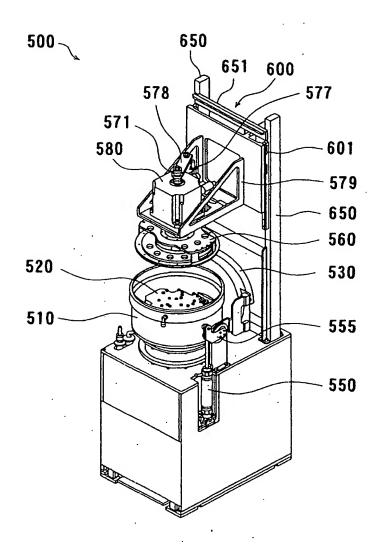
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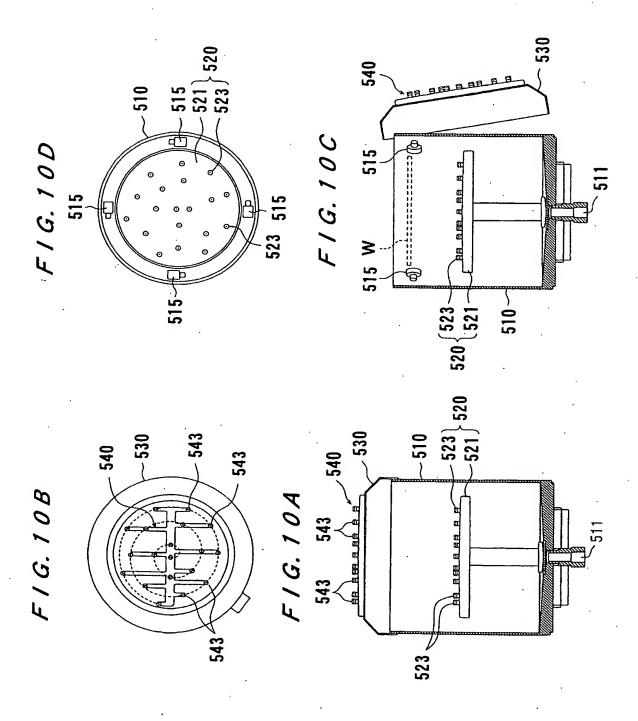


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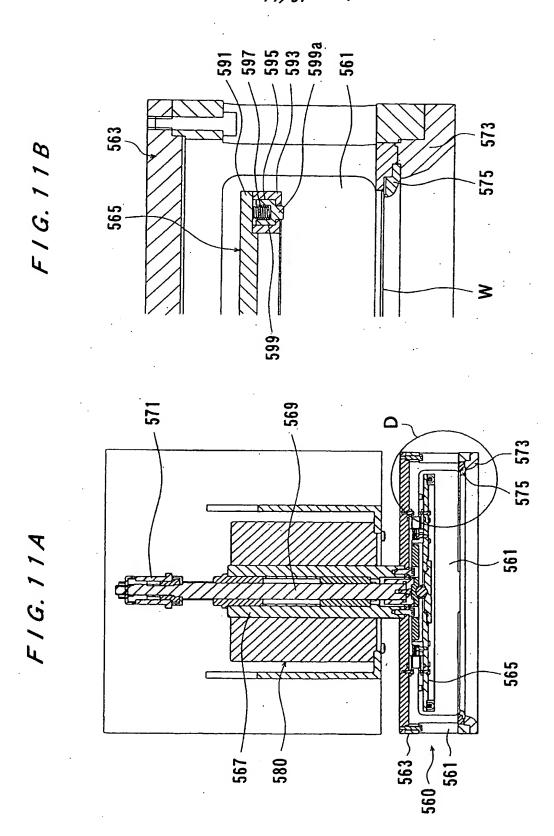


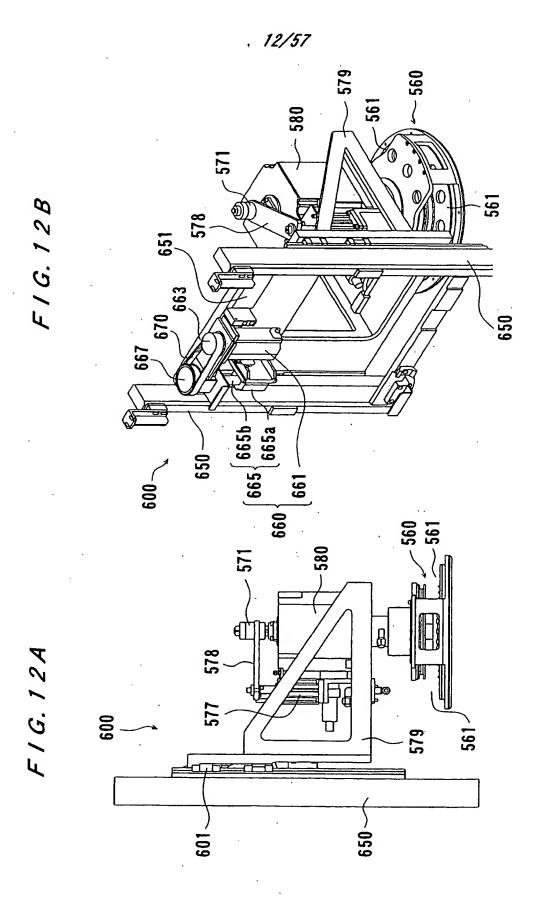
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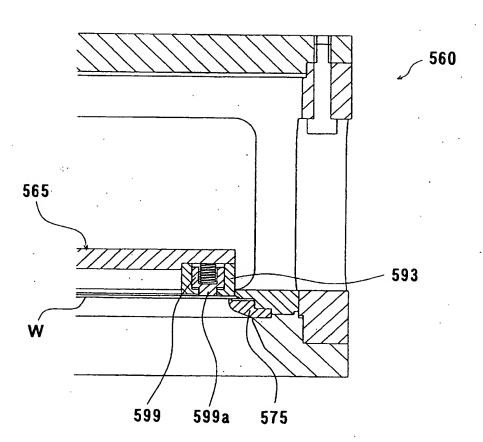


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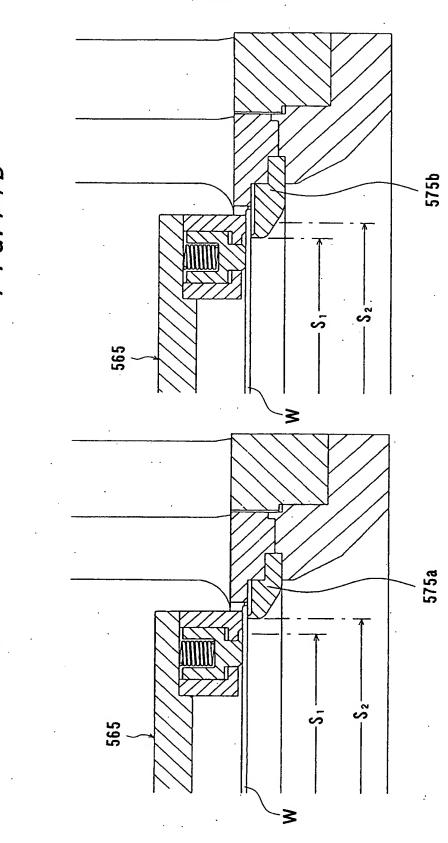




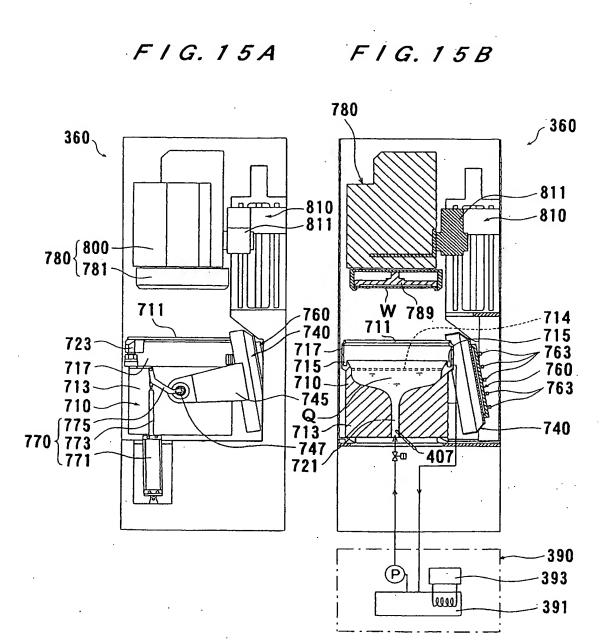
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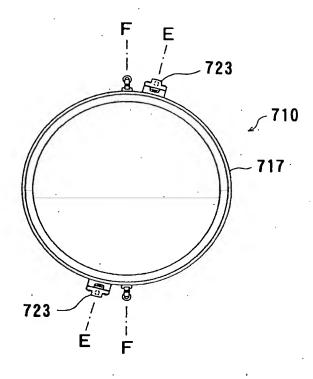
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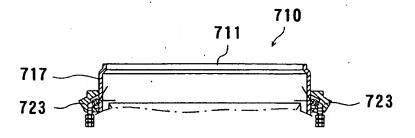
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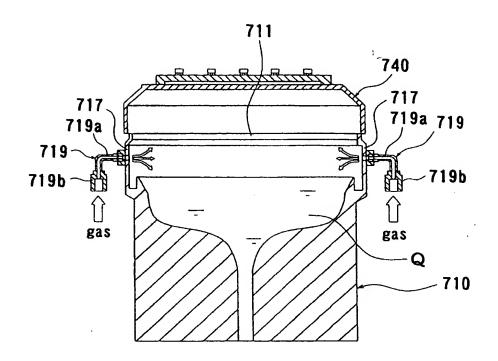
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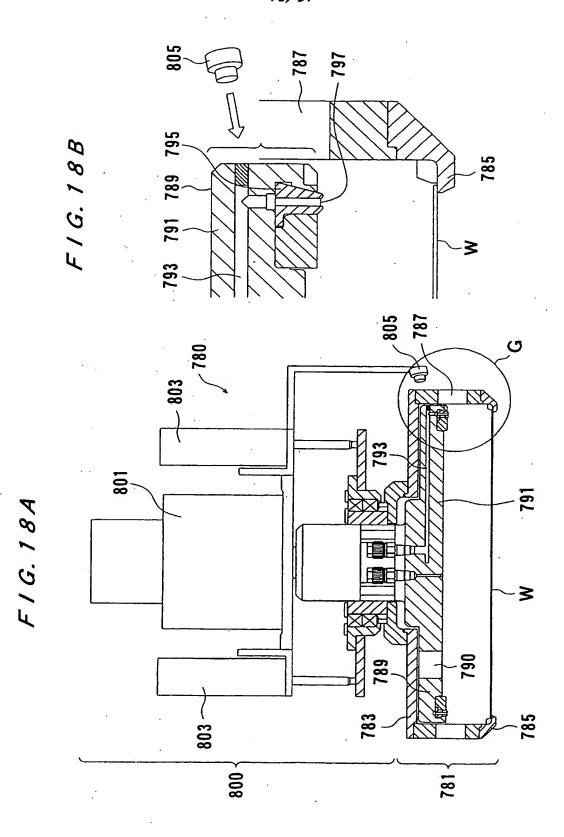
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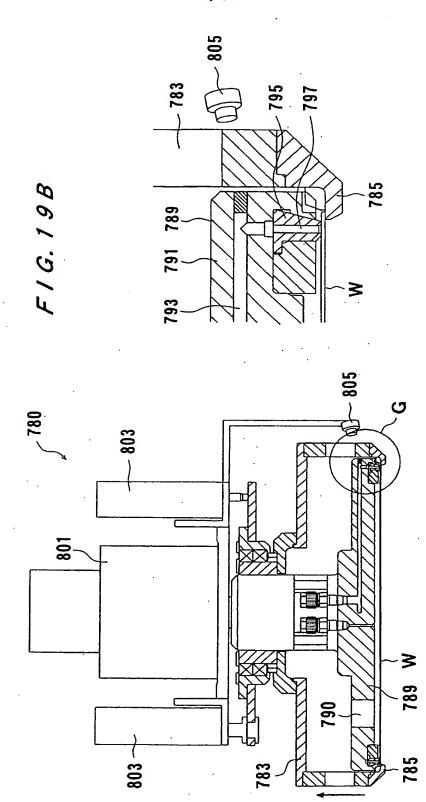
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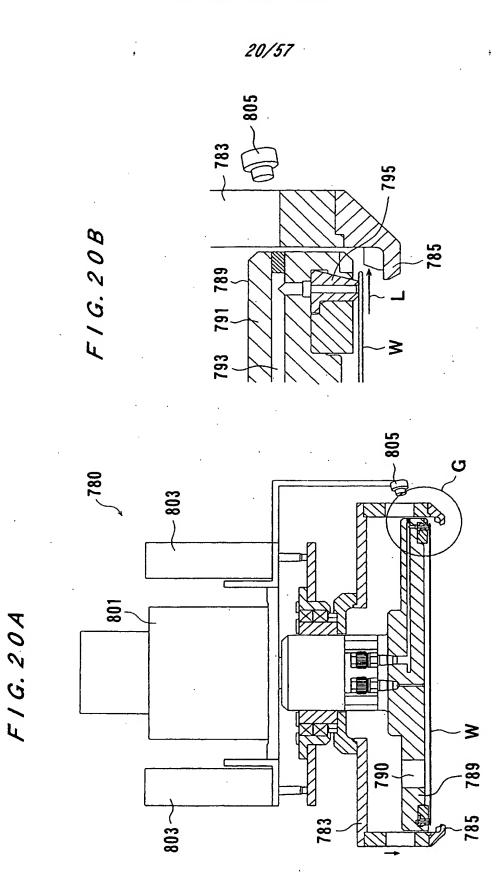


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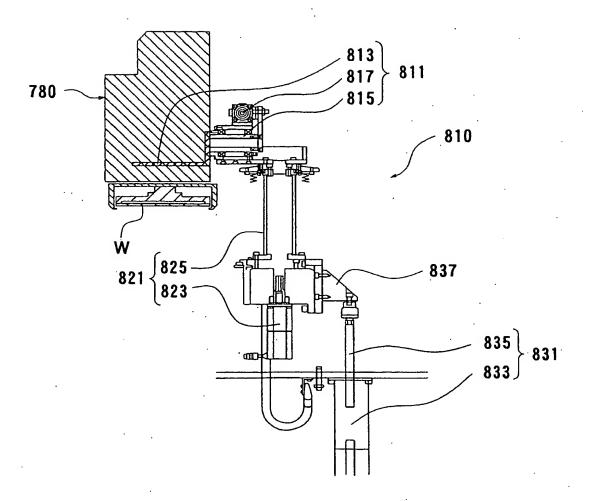


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F / G. 21



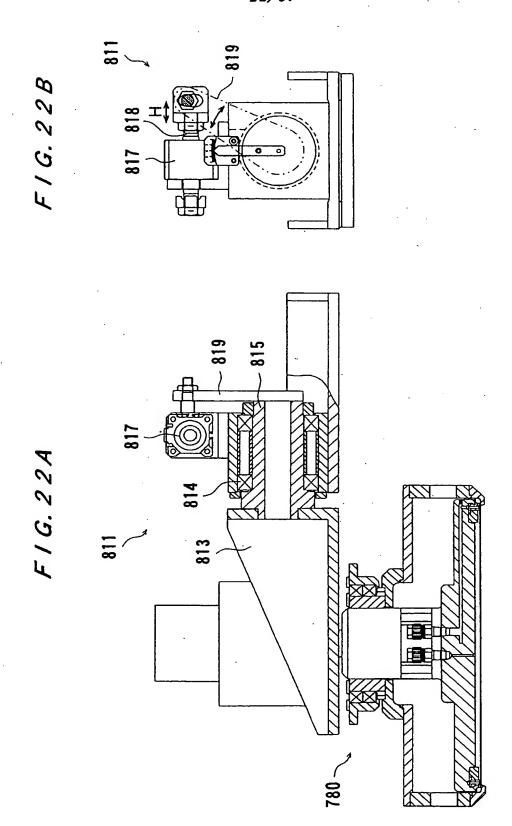
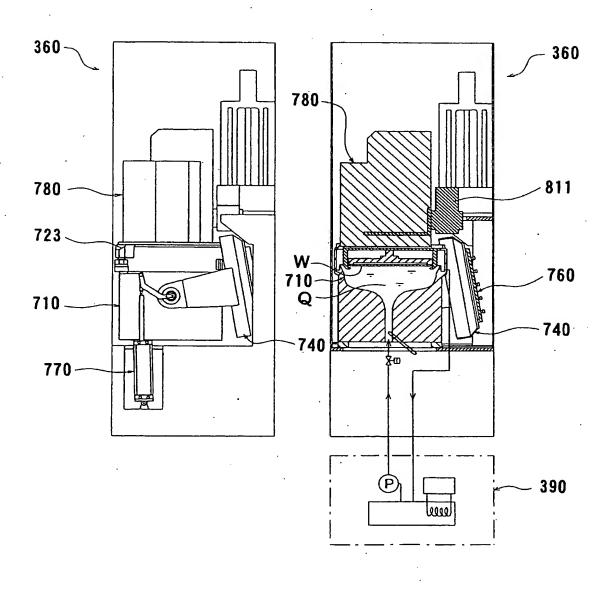
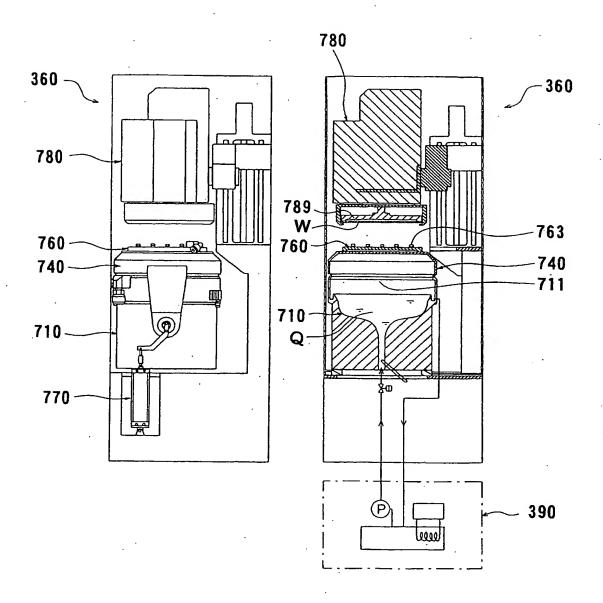


FIG. 23A FIG. 23B

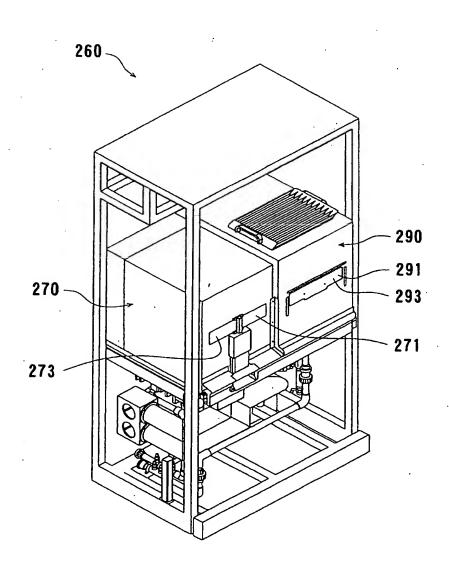


F | G. 24A

F I G. 24B

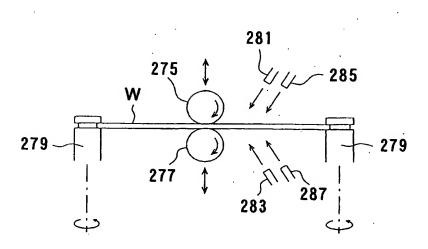


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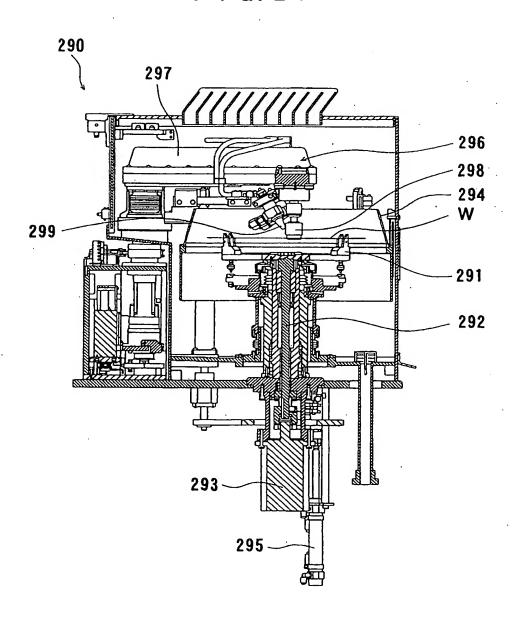


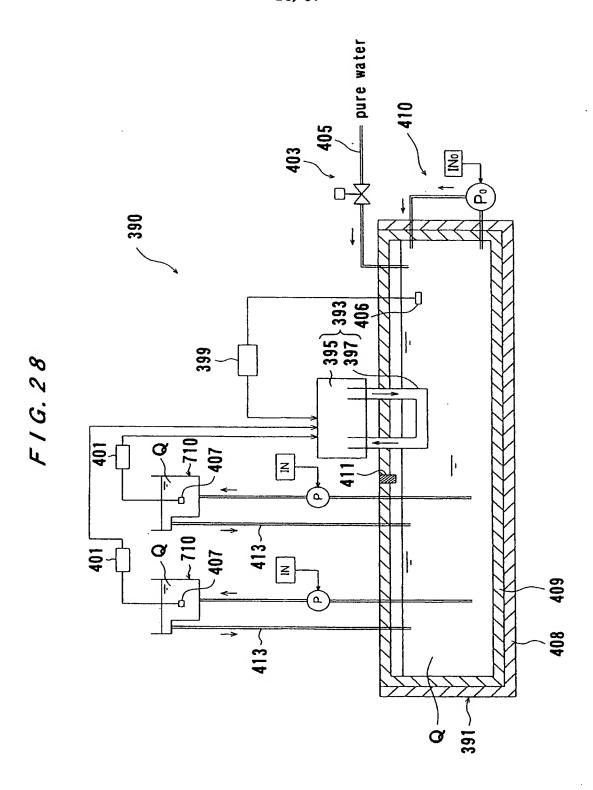
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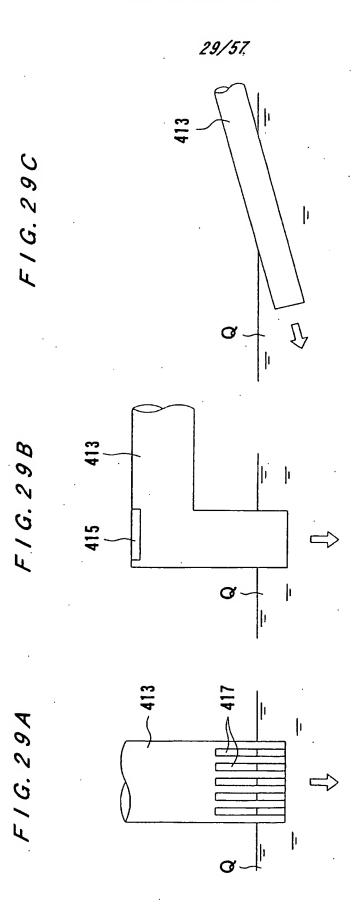
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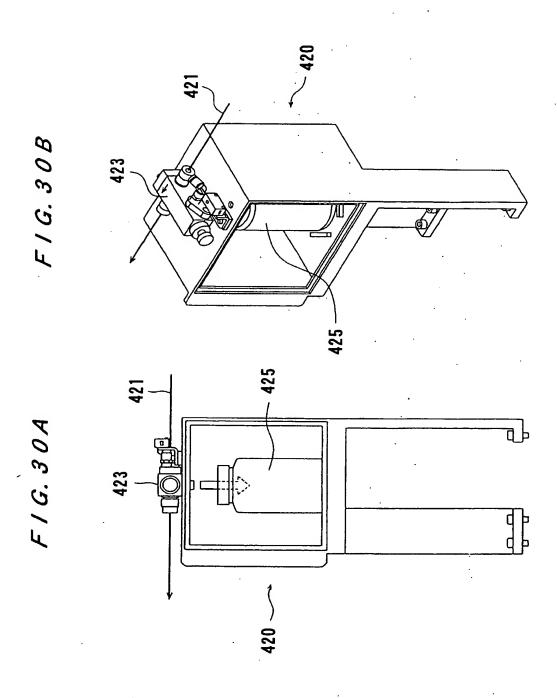


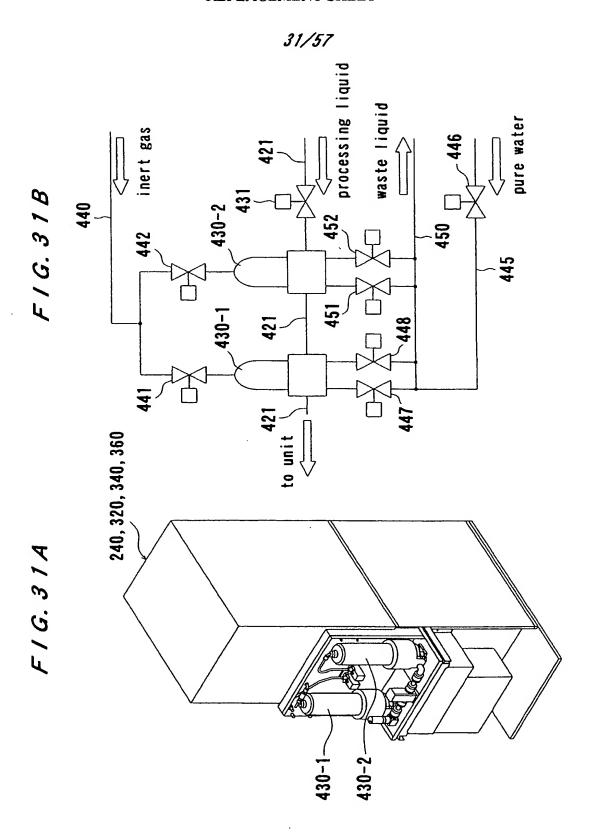
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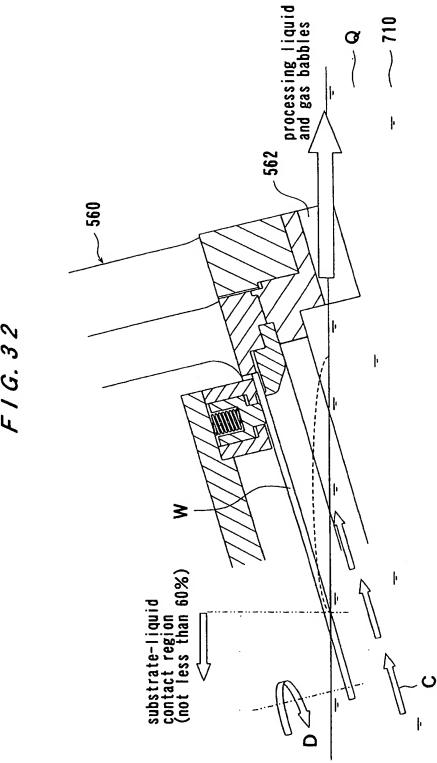




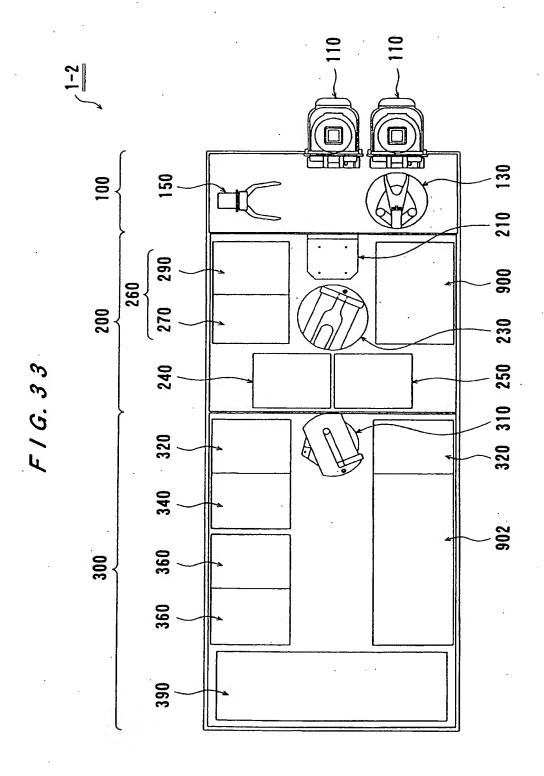




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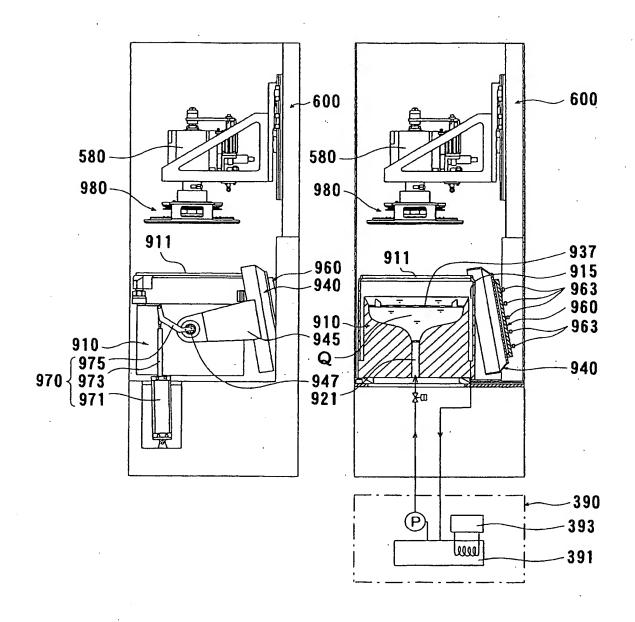


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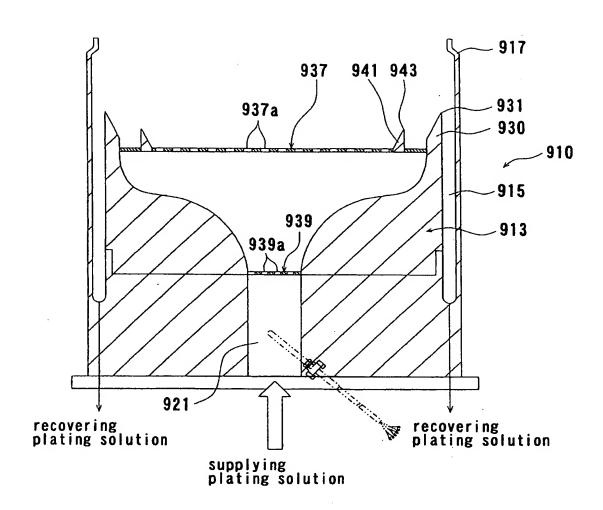


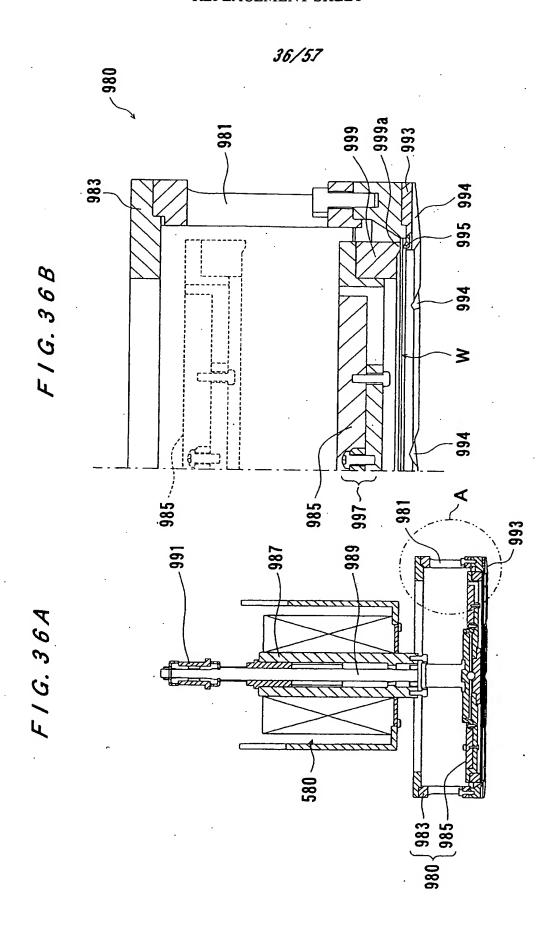
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F / G. 3 4 B

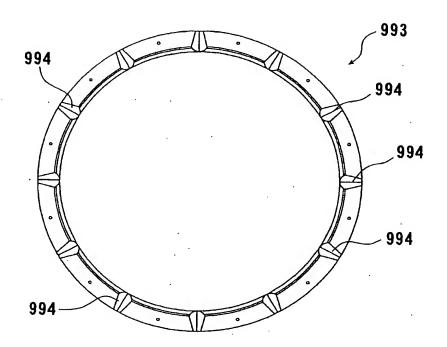


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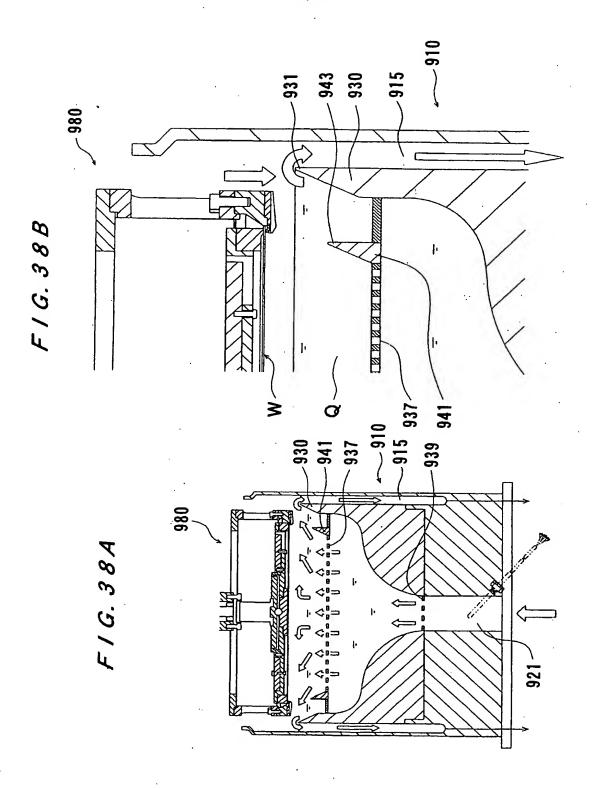




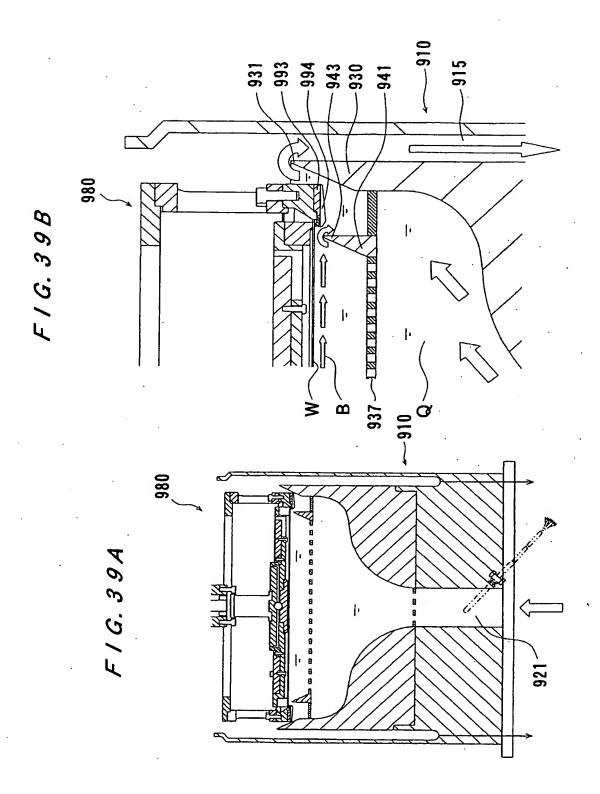
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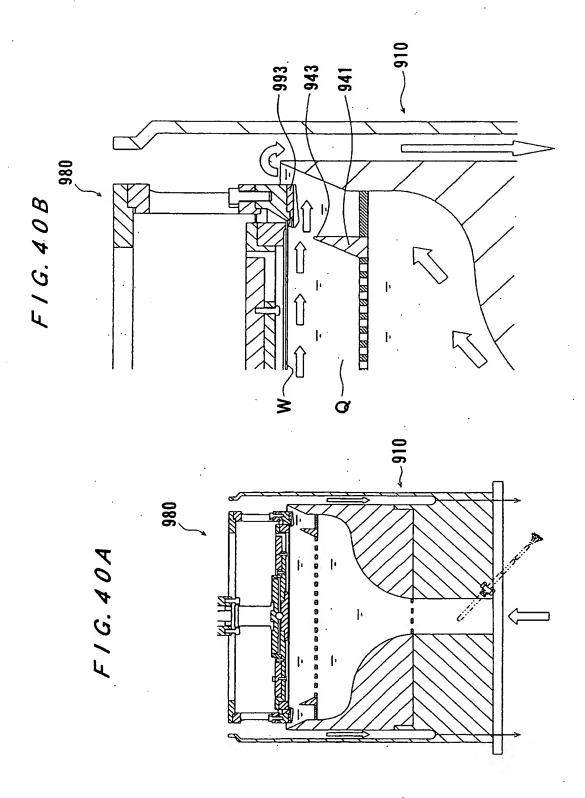
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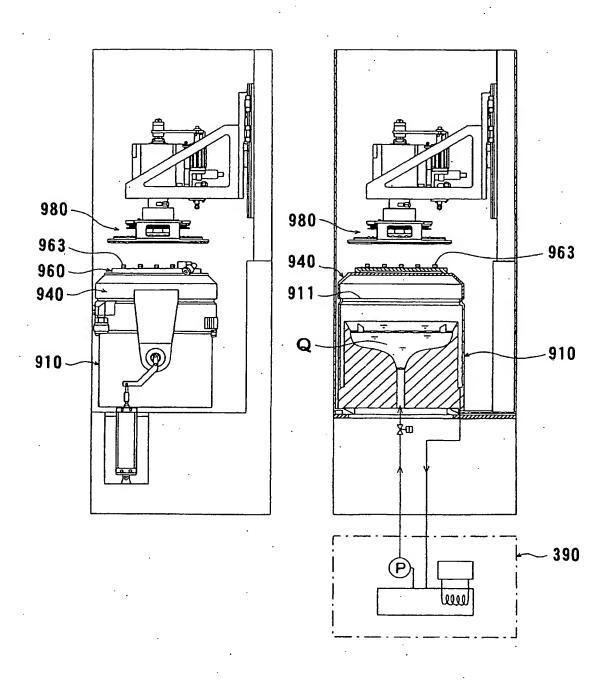


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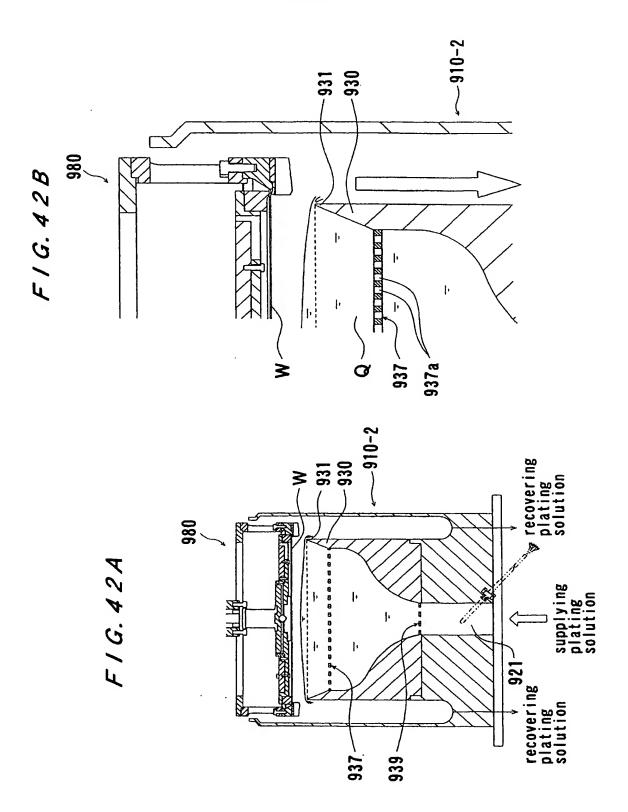


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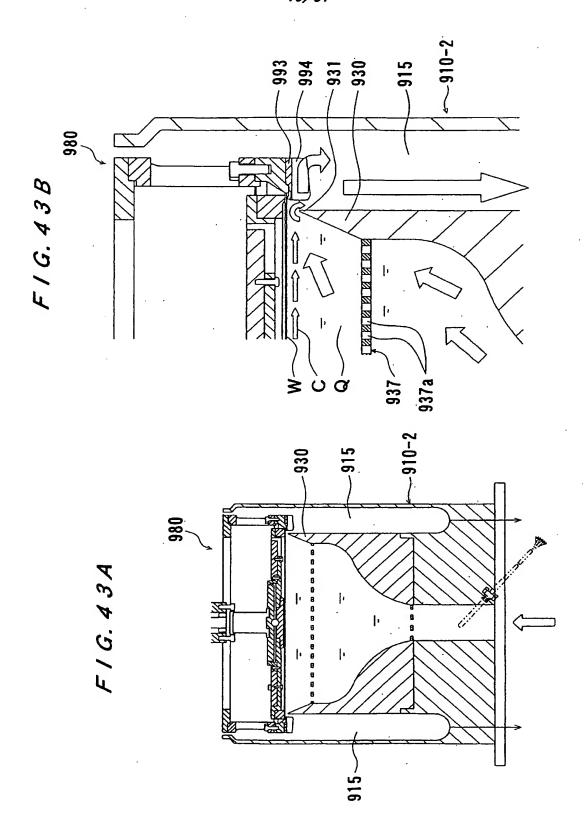
F/G. 41B



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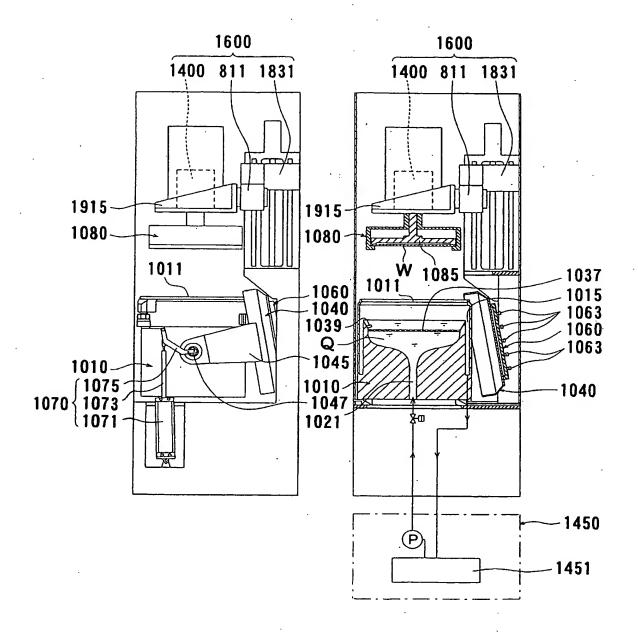
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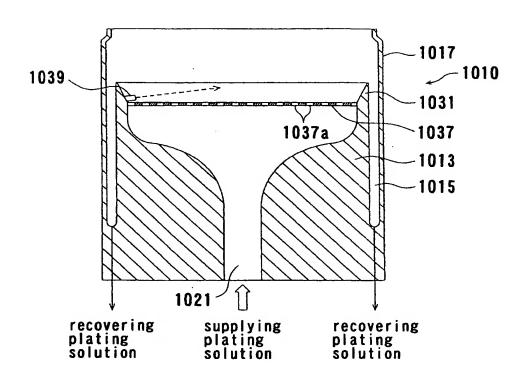
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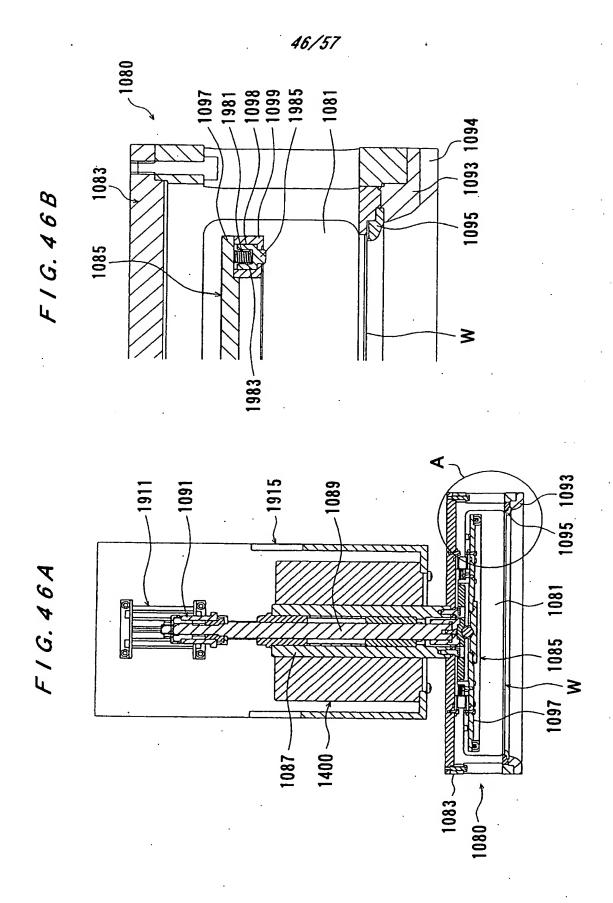
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F I G. 44B

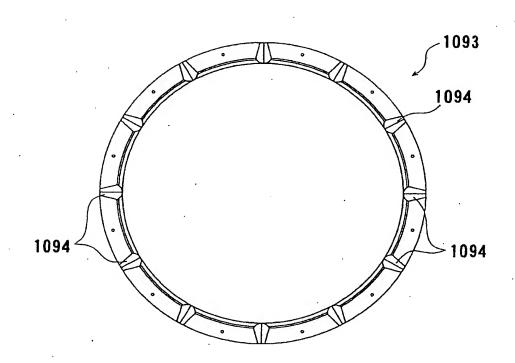


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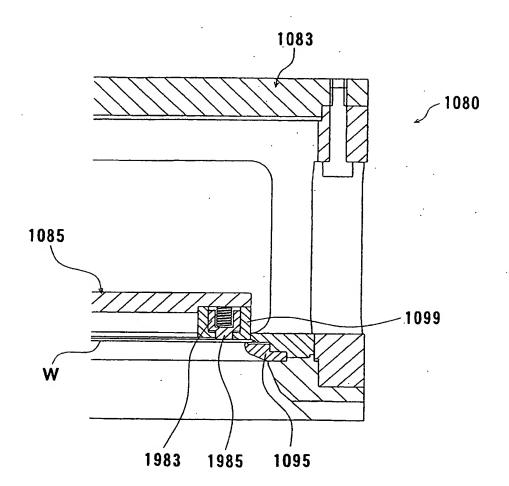




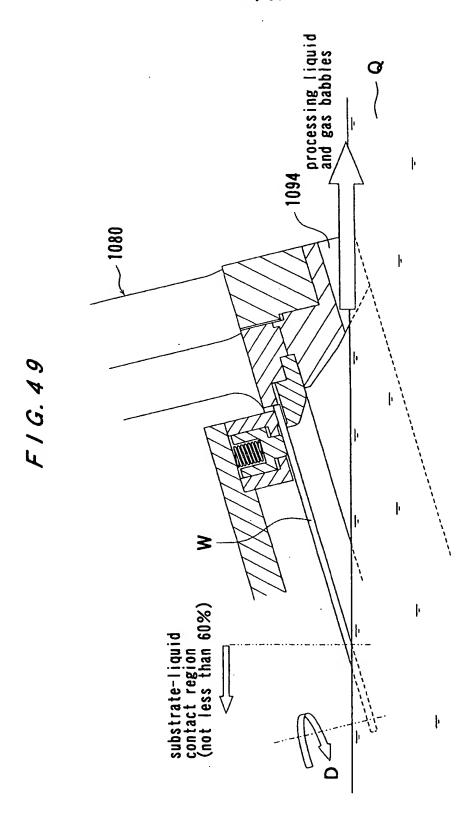
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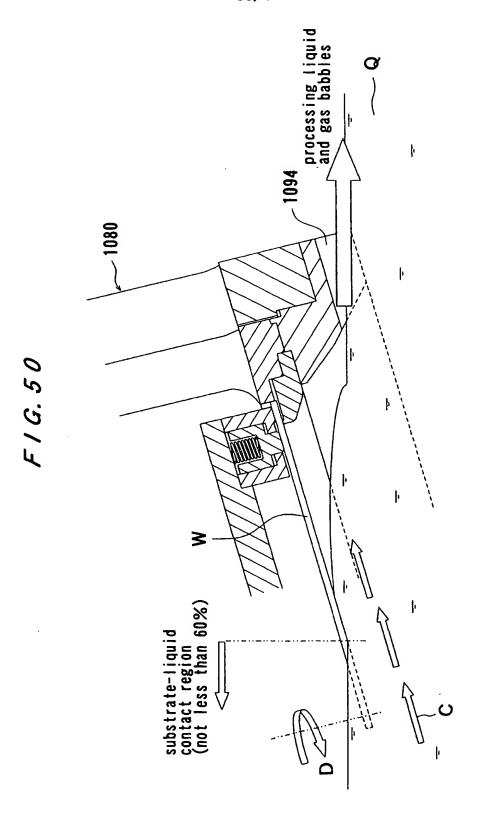
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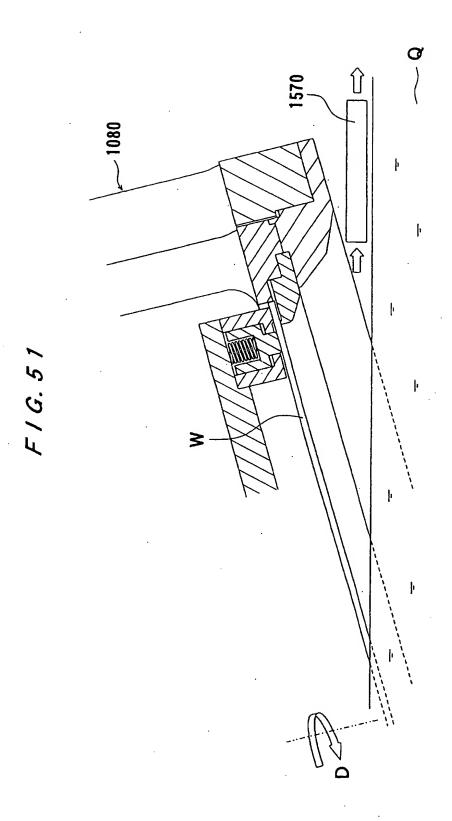
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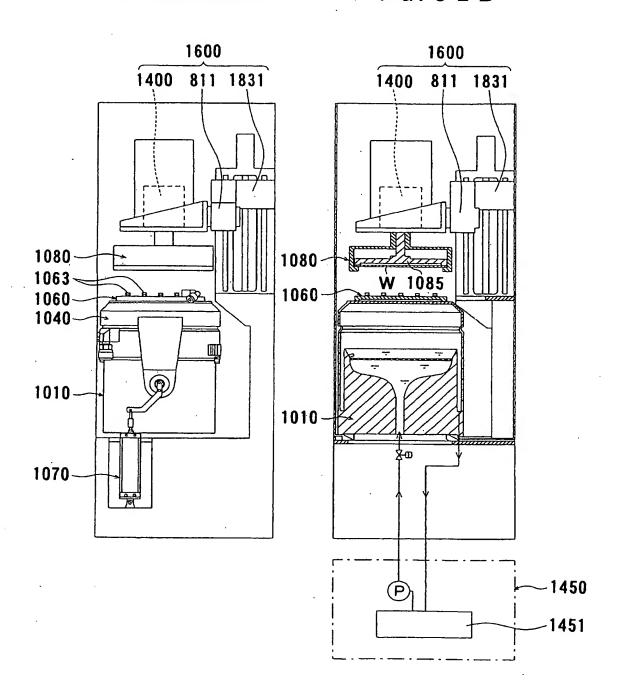


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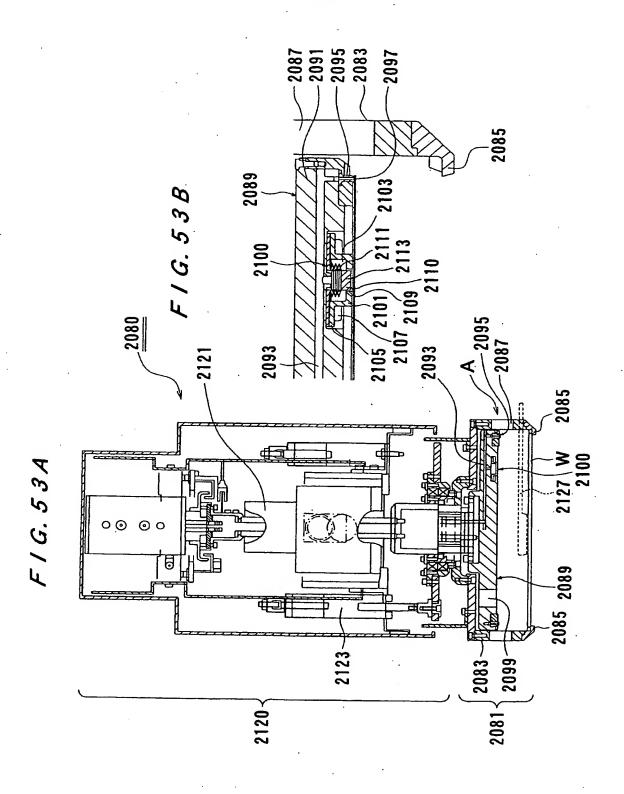


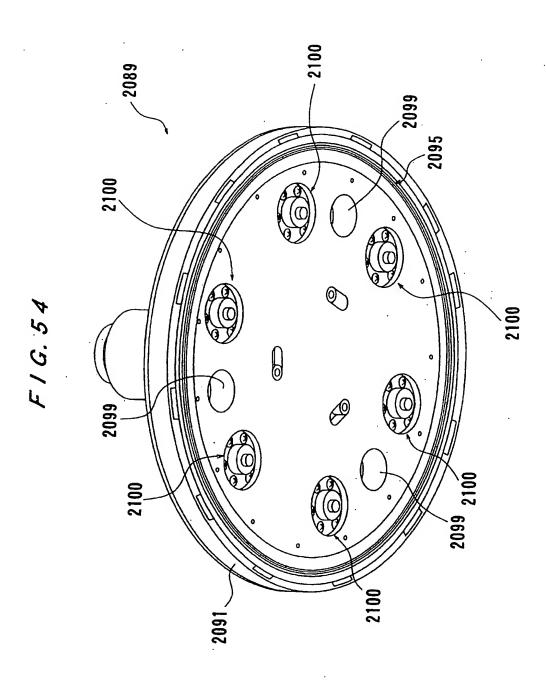


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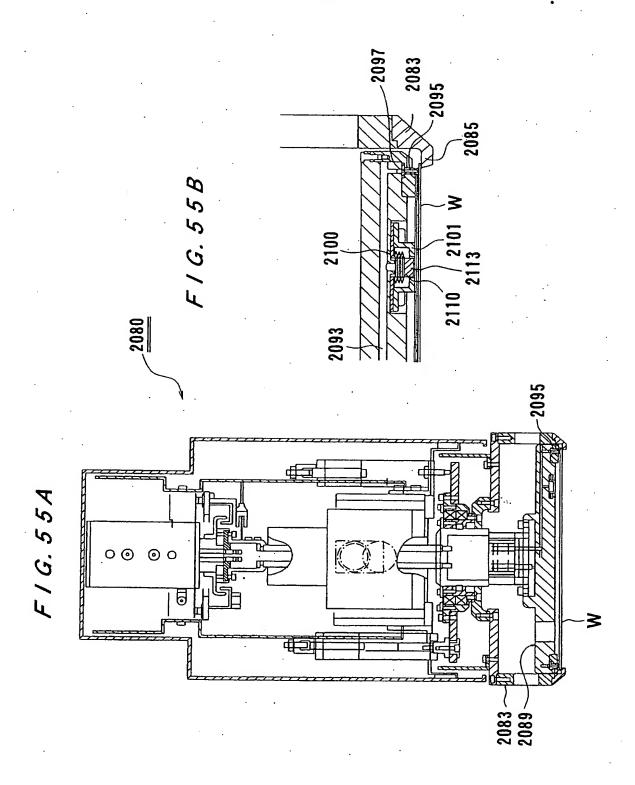


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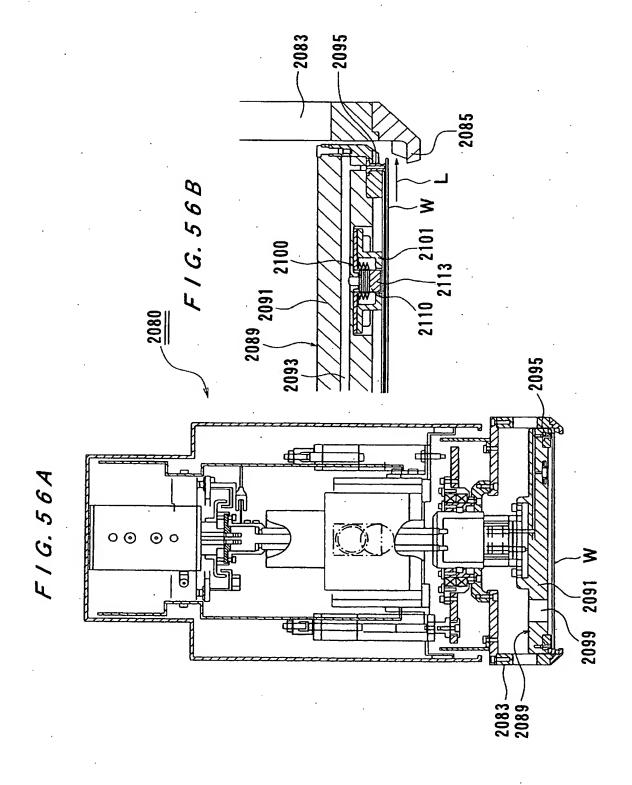




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F 1 G. 5 7

